INCH-POUND

MIL-PRF-83536/17A
AMENDMENT 2
15 May 2002
SUPERSEDING
AMENDMENT 1
14 January 2000

PERFORMANCE SPECIFICATION SHEET

RELAYS, ELECTROMAGNETIC, ESTABLISHED RELIABILITY, 4PDT, LOW LEVEL TO 10 AMPERES, PERMANENT MAGNET DRIVE, HERMETICALLY SEALED, ALL WELDED, AC COILS

This amendment forms a part of MIL-PRF-83536/17A, dated 14 November 1997, and is approved for use by all Departments and Agencies of the Department of Defense.

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Socket Pin Terminal, arrow pointing to pin, delete: "SEE NOTE 10" and substitute "SEE NOTE 9".

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Note 9, delete and substitute "9. Socket pin terminals shall provide the operational, environmental, and interface characteristics to provide a reliable interconnect to gold-plated contacts. Socket pin terminals shall be gold plated. One system for gold plating that may be used is ASTM B488, type 3, class 1.25 with a nickel underplate of 50 to 150 microinches thick. The gold plating system shall enable the product to meet the performance requirements of this specification and shall be approved by the qualifying activity."

Note 10, delete and substitute "10. Gasket shall provide a reliable seal between the relay and mating socket that will meet the environmental, operational, and interface requirements of the relay with the mating socket. The gasket shall have shore hardness 15 to 35, thickness .050 ±.005. Gasket material according to AMS 3332 has been considered acceptable. Gaskets are not supplied with track mount relays."

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Figure 2, delete "Silicone Gasket Shore Hardness 30-45" and substitute "Gasket (See note 10)".

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Note 6, delete and substitute: "6. Socket pin terminals shall provide the operational, environmental, and interface characteristics to provide a reliable interconnect to gold-plated contacts. Socket pin terminals shall be gold plated. One system for gold plating that may be used is ASTM B488, type 3, class 1.25 with a nickel underplate of 50 to 150 microinches thick. The gold plating system shall enable the product to meet the performance requirements of this specification and shall be approved by the qualifying activity."

Note 7, delete and substitute: "7. Track mount base, knob, and post shall be corrosion resistant. One way of ensuring corrosion resistance is to nickel plate stainless steel 303 with 100 microinches minimum thickness per McDonnell Douglas P.S.13112 (Deutsch Relays, Inc. Patent number 3.790,915) or equivalent 100 microinches thick minimum."

Add a Note 10. "10. Socket pin terminals shall provide the operational, environmental, and interface characteristics to provide a reliable interconnect to gold-plated contacts. Socket pin terminals shall be gold plated. One system for gold plating that may be used is ASTM B488, type 3, class 1.25 with a nickel underplate of 50 to 150 microinches thick. The gold plating system shall enable the product to meet the performance requirements of this specification and shall be approved by the qualifying activity."

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* Weight, delete in its entirety and substitute: "Weight: 0.17 pound (77 grams), 0.20 pound (90.6 grams) track mount."

The margins of this amendment are marked with an asterisk to indicate where changes from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based upon the entire content irrespective of the marginal notations and relationship to the last previous amendment.

Custodians:
Army - CR
Navy - EC
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

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